UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,324,931 B1
APPLICATION NO. : 10/715239
DATED : January 29, 2008
INVENTOR(S) : Arwen Warlock

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title page item (73) Assignee:
 Assignee: The Ma~~thworks~~ MathWorks, Inc.

Fig. 24, Sheet 26 of 28:
 Second column third block:
 ~~Creat~~ Create A new Model 482

Fig. 21, Sheet 23 of 28:
 Second column:
 ~~Oceurences~~ Occurrences

Column 1, line 21, please make the following change, should read:
 ulink® from The MathWorks, Inc. of Natick, ~~Mass.,~~ Massachusetts stat-

Column 2, line 41, please make the following change, should read:
 ~~equations~~ equation 6 to obtain a closed-form solution for the output

Column 2, line 55, please make the following change, should read:
 tionally no longer qualify as an ODE[[;]], they are included here

Column 2, line 65, please make the following change, should read:
 tives equation[[s]] 6 may be extended to define other relation-

Column 5, line 41, please make the following change, should read:
 Ware products such as Simulink® from [[t]]The MathWorks, Inc.

Column 5, line 58, please make the following change, should read:
 Focuses on Simulink® version 5.0 (Release 13) from [[t]]The

Column 6, line 45, please make the following change, should read:
 According to the embodiment ~~to~~ of claim 6, the source code is as follows:

Column 7, line 45, please make the following change, should read:
 Relevant for the execution [[or]] of code-generation. The attribute

Column 8, line 12, please make the following change, should read:
 tion of block-diagrams, (c) a Revision Control [[UI]] GUI for

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Column 12, line 201, please make the following change, should read:
filled[[:]].

Column 13, line 3, please make the following change, should read:
In this case the amplitude of the [[s]]Sine [[w]]Wave function defined

Column 13, line 41, please make the following change, should read:
compiled 42. Following the compilation stage[[,]] is the model

Column 14, line 43, please make the following change, should read:
connected in [[a]] an accumulator pattern and leading to result 66

Column 15, lines 15 and 16, please make the following change, should read:
114, a function-call generator vertice 116, and a [[f]]Functional [[c]]Call
[[s]]Sub-system vertice 118. Also included are a Sum vertice 120,

Column 16, line 16, please make the following change, should read:
sponding to components like the [[f]]Function-[[c]]Call [[s]]Sub-system

Column 18, line 36, please make the following change, should read:
116 and 168. Execution methods ~~includes~~ include the three basic

Column 19, line 19, please make the following change, should read:
Enable the changing of parameters during the SimLoop®

Column 19, line 59, please make the following change, should read:
through and execute[[s]] each block in the block method execu-

Column 19, line 66, please make the following change, should read:
the sorted list). The execution time ~~then~~ is then incremented

Column 21, line 67, please make the following change, should read:
real-time case for [[S]]single-task mode, the engine does not wait

Column 22, line 18, please make the following change, should read:
[[Id]] ID are executed (step 232) followed by the execution of the

Column 23, line 12, please make the following change, should read:
and integration error tolerances. In a [[f]]Fixed-step solver, the

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Column 23, line 60, please make the following change, should read:
    An example of the [[v]]Variable-step solver is shown in FIG.

Column 29, line 37, please make the following change, should read:
    with ~~difference~~ differential equations;

Column 30, line 8, please make the following change, should read:
    steps followed by a [[v]]Variable-step solver

Column 31, line 27, please make the following change, should read:
    That it links to a separate unit without [[a]] making use of a

Column 40, lines 32 and 33, please make the following change, should read:
    42. The medium of claim 39, wherein the instructions for identifying the component comprise[[s]]

Column 40, lines 36 and 37, please make the following change, should read:
    43. The medium of claim 39, wherein the instructions for identifying the component comprise[[s]]

Column 40, lines 40 and 41, please make the following change, should read:
    44. The medium of claim 39, wherein the instructions for identifying the component comprise[[s]]

Column 40, lines 44 and 45, please make the following change, should read:
    45. The medium of claim 39, wherein the instructions for identifying the component comprise[[s]]

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Column 40, lines 50 and 51, please make the following change, should read:
   46. The medium of claim 39, wherein <u>the</u> instructions for identifying the component comprise[[s]]

Signed and Sealed this

Seventeenth Day of June, 2008

JON W. DUDAS
Director of the United States Patent and Trademark Office